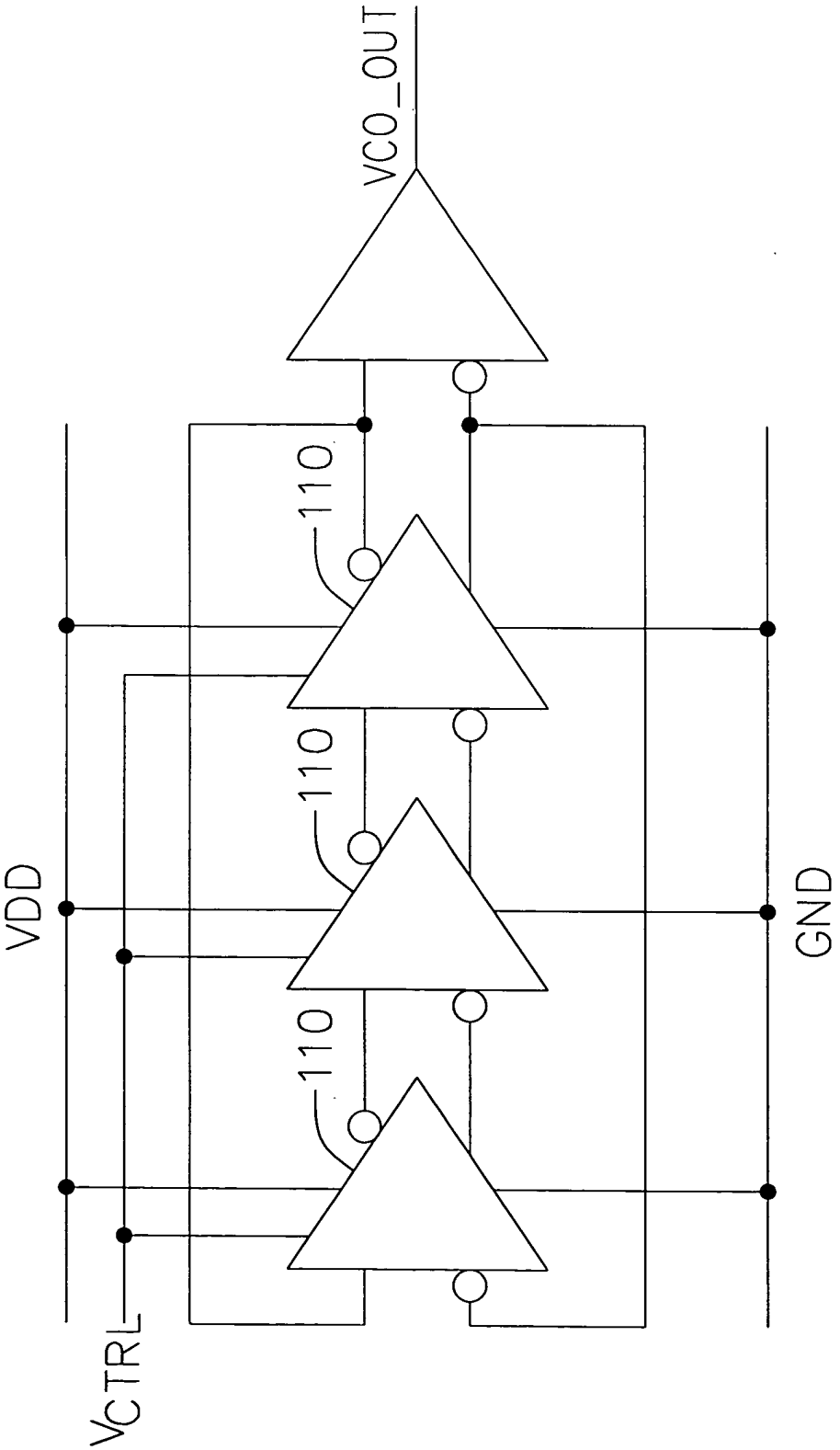


FIG. 1
PRIOR ART

FIG.2
PRIOR ART

CONVENTIONAL DIFFERENTIAL INVERTER

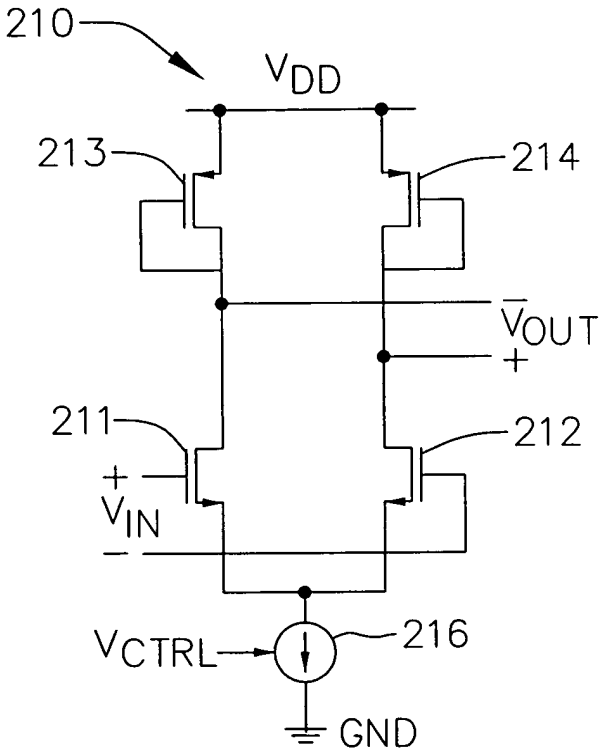


FIG.3
PRIOR ART

CONVENTIONAL DIFFERENTIAL INVERTER

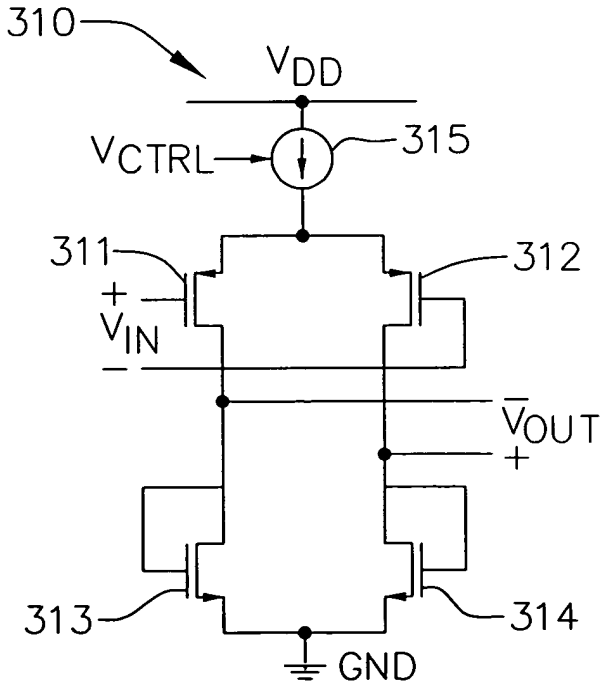
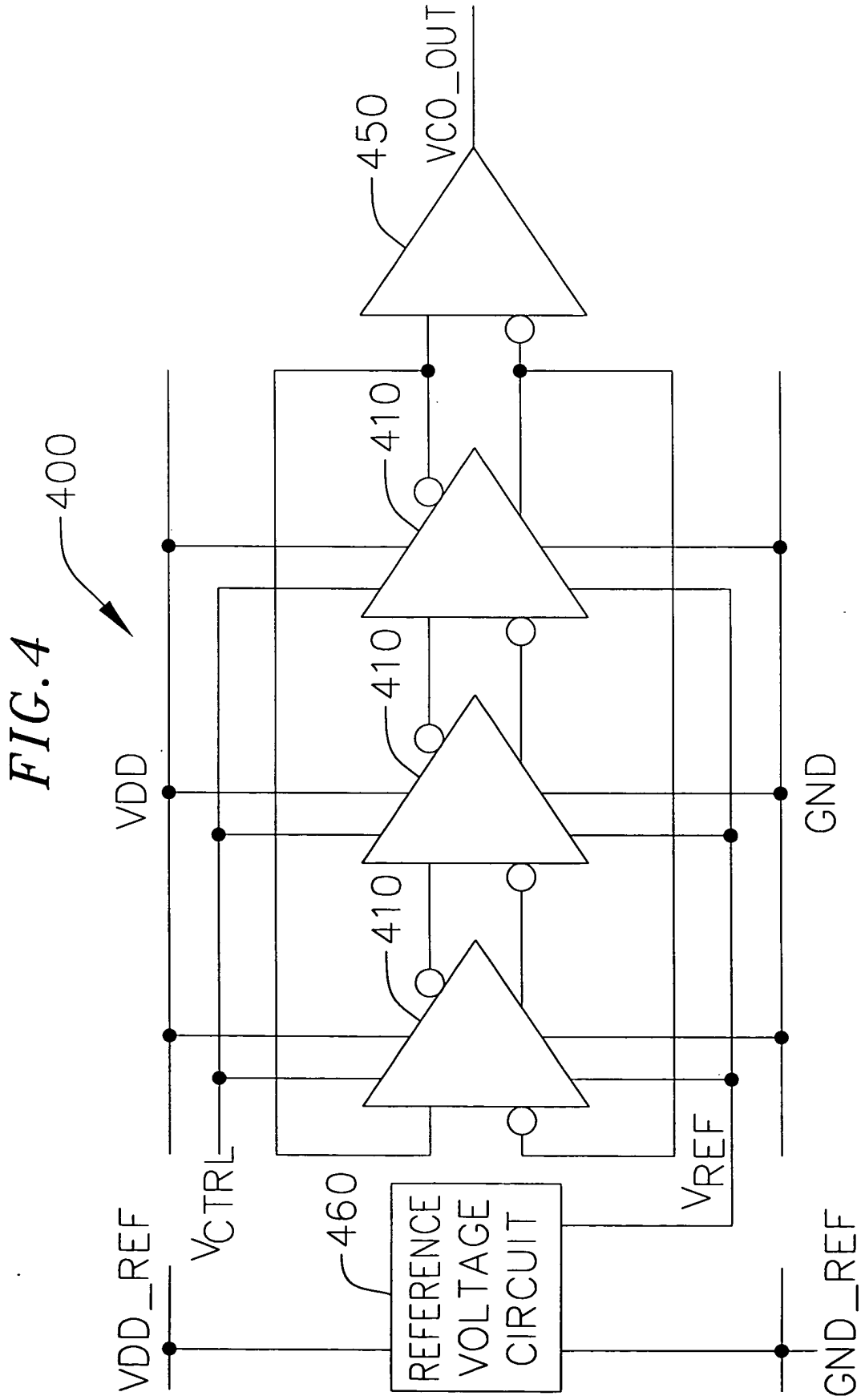


FIG. 4


400
450
VCO_OUT
410
410
410
VDD
GND
VCTRL
VREF
460
REFERENCE VOLTAGE CIRCUIT
VDD_REF
GND_REF

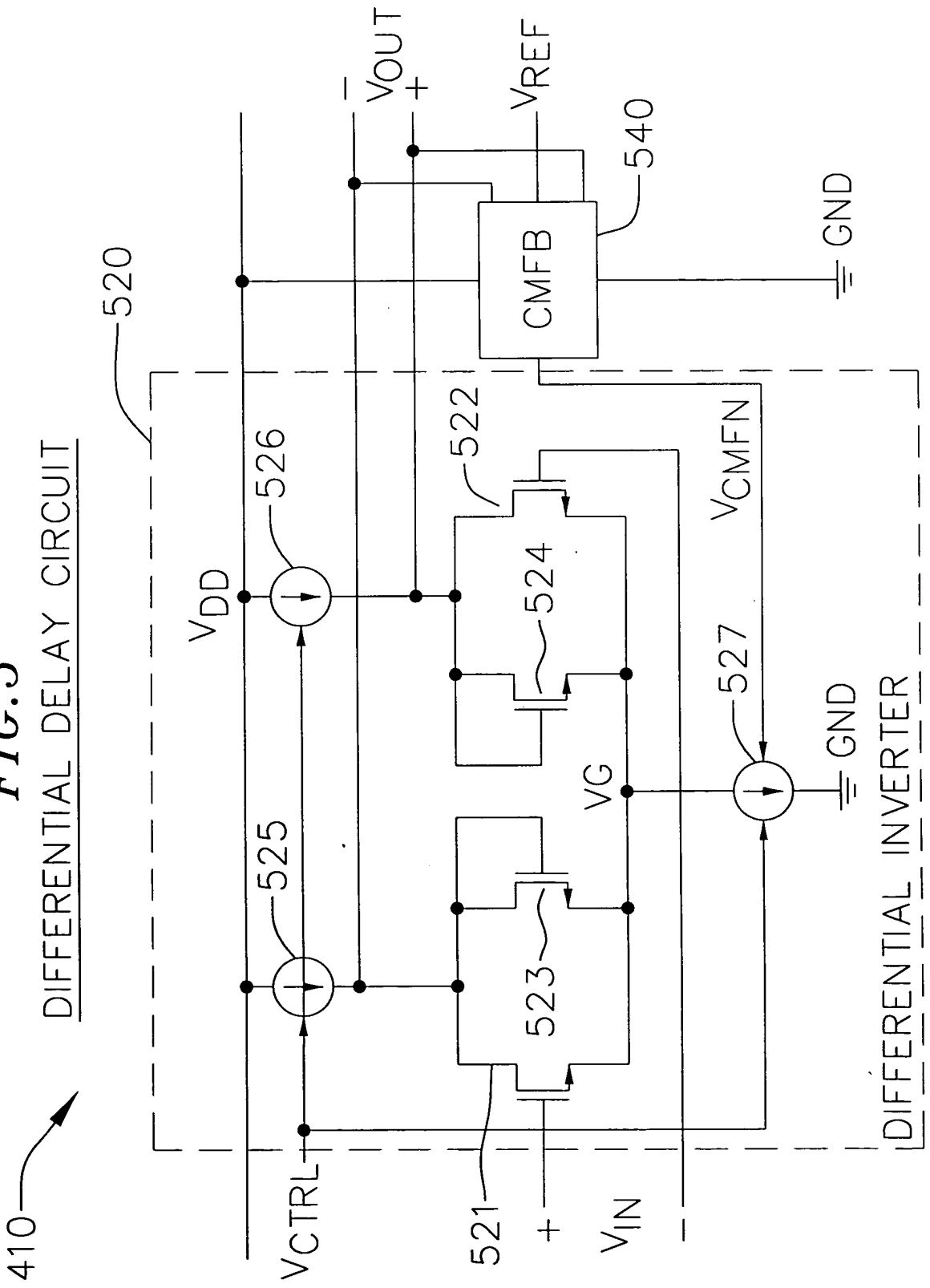

410
DIFFERENTIAL DELAY CIRCUIT
520
DIFFERENTIAL INVERTER
VCTRL
VDD
525
526
521
523
524
522
VIN
VG
527
VCMFN
GND
CMFB
540
VREF
VOUT
GND

FIG. 5